

FAG**1310-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:
0389035800030Self-aligning ball bearing 13..-K-TVH,
tapered bore taper 1:12, plastic cage

Technical information

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
r _{min}	2 mm	Minimum chamfer dimension
C _r	42.000 N	Basic dynamic load rating, radial
C _{0r}	14.200 N	Basic static load rating, radial
C _{ur}	900 N	Fatigue load limit, radial
n _G	6.900 1/min	Limiting speed
n _{gr}	6.300 1/min	Reference speed
	1,208 kg	Weight

Dimensions

D ₁	91,7 mm	Shoulder diameter outer ring
	H310	Adapter sleeve
d ₁	71,2 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	61 mm	Minimum diameter shaft shoulder
d _{a max}	68 mm	Maximum diameter shaft shoulder
D _{a max}	99 mm	Maximum diameter of housing shoulder
d _{b min}	55 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve
r _{a max}	2 mm	Maximum fillet radius

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,59	Dynamic axial load factor
Y ₂	4,01	Dynamic axial load factor
Y ₀	2,72	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.